

ABSTRACT

A distributed system with a timing signal path for increased precision in time synchronization among distributed system clocks. A distributed system according to the present teachings includes a master clock coupled to a timing signal path and a set of slave clocks coupled to the timing signal path. The master clock includes means for generating a timing signal on the timing signal path in response to time events associated with the master clock. The slave clocks include means for adjusting their local time in response to the timing signal received via the timing signal path.